

		WATCH						WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME														
DETENTION TIME														
REVOLUTION COUNTER (END OF WATCH)														
TOTAL REVOLUTIONS (FOR WATCH)														
AVERAGE RPM														
F.O. METER (END OF WATCH)			2268 110	2268 480	2268 810	2268 180								
F.O. CONSUMED				370	330	370								
PRESSURES	THROTTLE													
	H.P. AHEAD													
	L.P. AHEAD													
	VACUUM	29"	29"	29"	29.0	29.0	29"							
	L.O. TO TURBINES													
	AUX. STEAM	150	150	150	150	150	150							
	BACK PRESSURE	9	9	9	9	9	9							
	GLAND STEAM													
	H.P. BLEEDER													
	I.P. BLEEDER													
	L.P. BLEEDER													
	TEMPERATURES	STEAM AT THROTTLE												
L. P. EXHAUST		92 94	93 96	92 98			93 95							
CONDENSATE														
CIRC. WATER IN		60	60	60	60	60	60							
CIRC. WATER OUT		72 67	73 67	72 67	71 68	71 68	72 67							
L.O. TO COOLERS														
L.O. FROM COOLERS														
TEMPERATURE THRUST BEARING														
FORWARD H.P. ROTOR BEARING														
AFT. H.P. ROTOR BEARING														
FORWARD L.P. ROTOR BEARING														
AFT. L.P. ROTOR BEARING														
TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD													
	HOTTEST GEAR BEARING AFT													
	AUX. COND. CONDENSATE		89	85	84	85	85	87						
	1ST STAGE FEED WATER HEATER													
	D. C. FEED WATER HEATER		240	240	240	240	240	240						
	3RD STAGE FEED WATER HEATER													
	TEMPERATURES	SUPER HEAT	P											
			S	560	560	555	555	555	565					
		F.O. TO BURNERS		140	140	140	140	140	140					
		AIR TO FURNACE	P											
			S											
		F.O. TEMP. IN SETTLING TANKS	P	64	64	64			64					
		S	69	68	68			69						
PORT BOILER UPTAKE														
STBD. BOILER UPTAKE			220	220	220	210	210	210						
F. O. BACK PRESSURE														
MAIN STEAM			440	440	440	440	440	440						
F.O. TO BURNERS			160	160	160			160						
MISCELLANEOUS	MAIN COND. SALINITY		0.41				0.41	0.41						
	ENGINE ROOM TEMPERATURE													
	FIRE ROOM TEMPERATURE													
	NOZZLES IN USE													
	NO. OF BURNERS IN USE	P												
		S	1	1	1	1	1	1						
	BURNER TIP SIZE	P												
		S	53 70	53 70	53 70	53 70	53 70	53 70						
	CO ₂ % PORT BOILER													
	CO ₂ % STBD. BOILER													
	OIL LEVEL MAIN SUMP													

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL							
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL
1200 TO 1600	1	1200	440		9	120	110		62	850	850	240	METER AT NOON			ON HAND AT START OF DAY		ON HAND AT START OF DAY	
													METER PREVIOUS NOON			EVAPORATED OR RECEIVED		RECEIVED	
	2	1200	440		7.6	131	120		71	850	850	240	CONSUMED BY METER			ON HAND		ON HAND	
													ON HAND AT START OF DAY			CONSUMED		CONSUMED	
1600 TO 2000	1	1200	440		9	120	110		62	750	750	240	RECEIVED DURING DAY			ON HAND AT START OF DAY		ON HAND AT START OF DAY	
													EXPENDED DURING DAY			RECEIVED		RECEIVED	
	2	1200	440		7	129	119		72	750	750	240	REMAINING ON BOARD			ON HAND		ON HAND	
													ON HAND AT START OF DAY			CONSUMED		CONSUMED	
2000 TO 2400	1	1200	440		9	120	110		62	750	750	240	EVAPORATED OR RECEIVED			ON HAND		ON HAND	
													ON HAND			RECEIVED		RECEIVED	
	2	1200	440		7	129	119		72	750	750	240	CONSUMED			CONSUMED		CONSUMED	
													LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)						
2400 TO 0400	1	1200	440		9	118	110		62	800	800	240	L.O. CENTRIFUGE - HOURS OPERATED						
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
	2	1200	440		7.6	130	120		72	800	800	240							
0400 TO 0800	1	1200	440		9	128	110		62	850	850	240	SUMMARY						
													RUNNING TIME			PROPELLER SLIP (%)			
	2	1200	440		7.6	130	120		72	850	850	240	DETENTION TIME			BBL FUEL/MI			
													TOTAL REVOLUTIONS			WIND DIRECTION			
0800 TO 1200	1	1200	440		9	119	110		62	850	850	240	AVERAGE R.P.M.			STATE OF SEA			
													TOTAL MILES BY ENGINE			STATE OF WEATHER			
	2	1200	440		7.6	132	120		71	850	850	240	TOTAL MILES BY OBSERVATION						

1200-1600 WATCH

MACHINERY IN SERVICE:

#1 BOILER, F.D. FAN, F.O. PUMP,
F.O. + M.N. CONDSTE PUMPS.

#1 & #2 D.C. GEN.

OILER - DIERS, F.W.T. - BARBER, ELECT-

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

Machinery as Before - Bilges @ Safe Level -

Oiler - Johnson F.W.T. - Buckett Elect. - Porter Refer -

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

As Before except; changed & cleaned generator lube oil strainers -
Gummed Eng. Space Bilges -

Oiler - Johnson F.W.T. - Buckett Elect. - Porter Refer -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Machinery as before. Routine Watch

OILER - SEGGEMAN F.W.T. - YOUNG ELECT. - PORTER REFER - GENTEL

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

Machinery and Watch Standers same as before except changed F.W.
Suction to #3 @ 0630.

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

Machinery as before except; secured #1 M.N. CONDENSATE PUMP AND
STARTED AUX. CONDENSATE PUMP.

OILER - DIERS, F.W.T. - BARBER

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

30	PORT	STBD
PA		9.93
TA		1343
CH		5.39
PO ⁴		35
SO ³		40
5142476		2672

CHIEF ENGR'S SIGNATURE

[illegible]

1200-1600 WATCH

MACHINERY IN SERVICE:

#1 BOILER, F.D. FAN, F.D. PUMP,
F.D. PUMP, AUX. CONDENSATE PUMP,
#1 + #2 D.C. GEN.PORT BOILER ECONOMIZER AIR LANCED
MAINTENANCE AS PER WORK BOOK

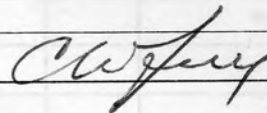
BLEW TUBES STD BOILER.

ELECT LOAD SWITCH AFT. + PLANT SEC. @ 1600

OILER-DIERS, FWT-BARBER

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-



WATCH ENGR'S SIGNATURE-

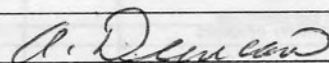
2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MADE ROUTINE ROUNDS, #1 BL'R 75#

WATCH ENGR'S SIGNATURE-



0400-0800 WATCH

MADE ROUTINE ROUNDS, PUMPED BILGES, OPENED #1 BL'R VENT @
25# 0600

WATCH ENGR'S SIGNATURE-



0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

[illegible]

REMARKS

1200-1600 WATCH

PLANT SECURED

MAINT. AS PER WORK BOOKS

#2 PORT BOILER - AIR LANCED FIRE SIDES, SUPERHEATER & ECONOMIZERS.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MAINT. AS PER WORK BOOK:
L.O. SYST. IN SERVICE @ 09:00

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

REMARKS

1200-1600 WATCH

L.O. SYST. IN SERVICE: JACKING GEAR ENGAGED, L.O. TEMP 90°:
 BLEW DOWN WATER GAGE COLUMNS TRUE WATER LEVEL ASCERTAINED: LIT OFF PORT
 BOILER @ 1400 & SECURED @ 1630 SUPPLY VENT & DRAINS SECURED:
 JACKING GEAR DISENGAGED 1630: STBD BOILER AIR LANCED FIRESIDES,
 SUPERHEATERS & ECONOMIZERS: BLEW DOWN WATER GAGE COLUMNS TRUE WATER LEVEL
 ASCERTAINED CHECKED OUT & LIT OFF @ 1615 & SECURED @ 1630
 HP END PL 4050; LP 090:

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

CW Fry

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

RAISED STEAM ON P/S BOILERS - PUT NECESSARY MACHINERY IN OPERATION FOR SPL
 PLANT. #182 GEN. ROLLING - JACKING GEAR ENGAGED BY PERMISSION FROM BRIDGE. READYING E/R
 FOR SEA. PLANT OPERATING NORMAL.

WATCH ENGR'S SIGNATURE-

JR. - McILHONNE OILER - DIERS FWT - BARBER

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

William H. Light

REMARKS AS ABOVE

INITIAL DOSEGE COMPOUND TO P/S BOILERS
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

CW Fry

0800-1200 WATCH

MACHINERY AS BEFORE EXCEPT CHARGED TO OUTBOARD SETTLER @ 0930
 LIT OFF L.O. EVAP. @ 1015 - SPLIT PLANT LOAD @ 1100 - PUMPED FRY SPEC
 BULBS -

#1 FOM-2270450 #2 FOM-5578190
 CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGR'S SIGNATURE-

REMARKS

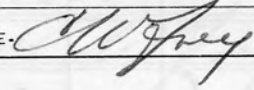
1200-1600 WATCH

PLANT SECURED

MAINT. AS PER WORK BOOKS

#2 PORT BOILER - AIR LANCED FIRESIDES, SUPERHEATER & ECONOMIZERS.

WATCH ENGR'S SIGNATURE-



1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

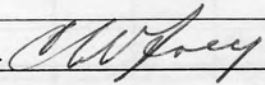
WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MAINT. AS PER WORK BOOK:

L.O. SYST. IN SERVICE @ 09:00

WATCH ENGR'S SIGNATURE-



CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

REMARKS

1200-1600 WATCH

@ ANCHOR - MACH'Y IN OPERATION - #1 & #2 BIRS & F.D. FANS - #1 & #2 D.C. GENS - #1 & #2 MN. FD PUMPS - #1 & #2 F.O. SERVICE PUMPS - MN. & AUX CIRC. PUMPS - MN & AUX AIR ESECTORS - #1 MN COND PUMP - AUX COND. PUMP - AIR COMP - L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - OPENED DRAINS IN E.R. FROM EVAP. FLAT - AUX COND XOVER VALVE OPEN TO MN COND PUMP - TESTED TEL @ 1429 - ROLLING MN. UNIT @ ~~1435~~ ¹⁴³⁵ - STBY @ 1532 C-75677690 FOM-17-5578500 S-2270730

FIRE DRILL @ 14⁵⁸ STBY @ 14⁵⁸ SEC @ 1508 BOAT DEW @ 1508 SEC @ 1523 WATCH ENGR'S SIGNATURE - *William W. Leggett*

1600-2000 WATCH

BELLS AS PER BELL BOOK: DEPT 1630 CTR 75678900 P-FOM 5578630 S-FOM 2270870
60 RPM; REDUCED SPEED TO 50 RPM @ 1800; B/Y Bridge;
Routine Watch

2000-2400 WATCH

As Before - Pumped for Space Bilge -

WATCH ENGR'S SIGNATURE - *W. Gray*

2400-0400 WATCH

SAME AS BEFORE
ROUTINE WATCH

WATCH ENGR'S SIGNATURE - *M. Fox*

0400-0800 WATCH

AT 0400; 25 RPM; 35 RPM @ 0537; 50/0562; ARRIVAL 0630 & STBY
CTR 75719630 P-FOM 55804905-FOM 2270560; BELLS AS PER BELL BOOK
TEMP'S / PRES'S. VARIOUS
Routine Watch

WATCH ENGR'S SIGNATURE - *William W. Leggett*

0800-1200 WATCH

At 0800 - CTR - 75721500 P-FOM - 5580680 - S-FOM - 2272750 - Main Unit
on Jacking Up Under Vacuum - Sec. #2 Boiler - Changed to Inboard Settles - Bilges @ Safe
Level

WATCH ENGR'S SIGNATURE - *W. Gray*

CTR - 75721500 #1 FOM - 2273150 #2 FOM - 5580720

WATCH ENGR'S SIGNATURE - *M. Fox*

CHIEF ENGINEER

	PORT	STBD
PA	350	643
TA	576	876
CH	0.83	1.24
PO ⁴	15	15
SO ³	42	50
SH	36	36

CHIEF ENGR'S SIGNATURE - *M. Fox*

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
GEN. POPE TAP 110		2-I		C. Pusan, Korea				P2 S2 R2		4-8/9-66	

	WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME							MACH. PART. (CONT'D)	HOTTEST GEAR BEARING FORWARD						
DETENTION TIME								HOTTEST GEAR BEARING AFT						
REVOLUTION COUNTER (END OF WATCH)								AUX. COND. CONDENSATE	67	67	67	67	67	67
TOTAL REVOLUTIONS (FOR WATCH)								1ST STAGE FEED WATER HEATER						
AVERAGE RPM								D. C. FEED WATER HEATER	240	240	240	240	240	240
F.O. METER (END OF WATCH)	P 5 2273680	80 74050	1214 410	747 60	2275 100	2275 490		3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	530	370	370	340	340	390		SUPER HEAT	P 555	560	560	555	555	560
PRESSURES	THROTTLE							F.O. TO BURNERS	140	140	140	140	140	140
	H.P. AHEAD							AIR TO FURNACE	P 118	108	110	110	110	104
	L.P. AHEAD							F.O. TEMP. IN SETTLING TANKS	P 70	70	66	67	67	66
	VACUUM	29"	29"	29"	29.0	29.0	29.0	S 66	68	67	68	68	68	
	L.O. TO TURBINES	13	13	13	13	13	13	PORT BOILER UPTAKE						
	AUX. STEAM	150	150	150	150	150	150	STBD. BOILER UPTAKE	205	245	245	205	205	260
	BACK PRESSURE	9	9	9	9	9	9	F. O. BACK PRESSURE						
	GLAND STEAM	3.5"	3.5	3.5	3.0	3.0	3.0	MAIN STEAM	440	450	440	440	440	450
TEMPERATURES	H.P. BLEEDER							F.O. TO BURNERS	160	170	170	150	160	210
	I.P. BLEEDER							MAIN COND. SALINITY		0.41				0.41
	L.P. BLEEDER							ENGINE ROOM TEMPERATURE						
	STEAM AT THROTTLE							FIRE ROOM TEMPERATURE						
	L. P. EXHAUST	135	125	119	116	114	112	NOZZLES IN USE						
	CONDENSATE							NO. OF BURNERS IN USE	P 1	1	1	1	1	1
	CIRC. WATER IN	59	59	59	59	59	59	S 53/60	53/60	53/60	53/60	53/60	53/60	
	CIRC. WATER OUT	68/67	69/67	69/67	67/66	67/66	67/67	BURNER TIP SIZE	S 53/60	53/60	53/60	53/60	53/60	53/60
	L.O. TO COOLERS							CO ₂ % PORT BOILER						
	L.O. FROM COOLERS	110	108	102	104	104	104	CO ₂ % STBD. BOILER						
TEMPERATURE THRUST BEARING							OIL LEVEL MAIN SUMP	N	N	N	✓	✓	N	
FORWARD H.P. ROTOR BEARING														
AFT. H.P. ROTOR BEARING														
FORWARD L.P. ROTOR BEARING														
AFT. L.P. ROTOR BEARING														

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL							
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	WATER	LUBE OIL	DIESEL OIL			
1200 TO 1600	1	1200	440		9	118	110		62	900	900	240	METER AT NOON		ON HAND AT START OF DAY				
	2	1200	440		7	133	120		72	900	900	240	METER PREVIOUS NOON		EVAPORATED OR RECEIVED				
1600 TO 2000	1	1200	450		9	117	109		62	850	850	240	CONSUMED BY METER		ON HAND				
	2	1200	450		7	132	119		72	900	900	240	ON HAND AT START OF DAY		CONSUMED				
2000 TO 2400	1	1200	440		9	118	110		62	800	800	240	RECEIVED DURING DAY	49/55	ON HAND AT START OF DAY				
	2	1200	440		7	132	119		72	800	800	240	EXPENDED DURING DAY	428	RECEIVED				
2400 TO 0400	1		440		9	119	110		62	800	800	240	REMAINING ON BOARD		ON HAND				
	2		440		7	132	120		72	800	800	240	ON HAND AT START OF DAY		CONSUMED				
0400 TO 0800	1		440		9	119	110		62	800	800	240	EVAPORATED OR RECEIVED		ON HAND				
	2		440		7	132	120		72	800	800	240	ON HAND		RECEIVED				
0800 TO 1200	1	1200	450		9	119	110		62	800	800	240	CONSUMED		CONSUMED				
	2	1200	450		7	132	119		72	900	900	240							

L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY			
RUNNING TIME		PROPELLER SLIP (%)	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

@ PIER PORT SIDE TO - MACH'Y IN OPERATION - #1 BLR & F.D. FAN - #1 & #2 D.C. GEN'S - #1 M.V. FD. PUMP - #1 F.O. SERVICE PUMP - M.V. & AUX. AIR EJECTORS - AIR COMP - M.V. & AUX. GEC PUMPS - #1 M.V. & AUX. COND. PUMPS - L.O. SERVICE PUMP - H.O. PURIFIER - / MAINTAINING VACUUM ON M.V. UNIT - JACKING GEAR ENGAGED - MONTHLY TEST RUN OF EMERGENCY DIESEL GEN @ 250 AMP FROM 1300 - 1500 HRS - ROUTINE PORT WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

1600-2000 WATCH

Machinery as above:

Maintaining Pres. Port Boiler 100 to 400 PSI: add 1 turn of packing to No. 2 Feed Pump, push rods.
Routine Watch

WATCH ENGR'S SIGNATURE-

W. J. Frey

2000-2400 WATCH

As Before. Bilge @ Safe Level.

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

Routine Watch as before

WATCH ENGR'S SIGNATURE-

William W. Leggett

0400-0800 WATCH

Oiler - Diets FWT-BARBER ELECT.-LEVINER

SAME AS BEFORE - Complied with Night and Standing orders

WATCH ENGR'S SIGNATURE-

William W. Leggett

0800-1200 WATCH

Oiler - Diets FWT-BARBER ELECT.-LEVINER

AS BEFORE

WATCH ENGR'S SIGNATURE-

W. J. Frey

CHIEF ENGINEER

POINT	STBD
PA 7.92	5.84
TA 5.84	8.76
CA 0.83	1.24
PO 10	15
SO 45	50
SH 36	60

CHIEF ENGR'S SIGNATURE-

W. J. Frey

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE					
										4/9-10/60					
		WATCH								WATCH					
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200			
RUNNING TIME															
DETENTION TIME															
REVOLUTION COUNTER (END OF WATCH)															
TOTAL REVOLUTIONS (FOR WATCH)															
AVERAGE RPM															
F.O. METER (END OF WATCH)		P 227590	2276310	2276710	77070	77430	558158	2277880							
F.O. CONSUMED		410	410	400	360	380	710								
PRESSURES	THROTTLE														
	H.P. AHEAD														
	L.P. AHEAD	2													
	VACUUM	29"	29"	29"	29"	29	29"								
	L.O. TO TURBINES	13	13	13	13	13	13								
	AUX. STEAM	150	150	150	150	150	150								
	BACK PRESSURE	9	9	9	9	9	9								
	GLAND STEAM	3.0	3	3	3	3	3								
	H.P. BLEEDER														
	I.P. BLEEDER														
	L.P. BLEEDER														
	TEMPERATURES	STEAM AT THROTTLE													
L. P. EXHAUST		110	110	110	110	80/110	83/86								
CONDENSATE							67	67							
CIRC. WATER IN		59	59	59	59	59	59								
CIRC. WATER OUT		69/67	68/70	68/70	67/66	68/67	68/67								
L.O. TO COOLERS															
L.O. FROM COOLERS		102	103	103	102	102	102								
TEMPERATURE THRUST BEARING															
FORWARD H.P. ROTOR BEARING															
AFT. H.P. ROTOR BEARING															
FORWARD L.P. ROTOR BEARING															
AFT. L.P. ROTOR BEARING															
MISCELLANEOUS	MAIN COND. SALINITY	0.41								0.41					
	ENGINE ROOM TEMPERATURE														
	FIRE ROOM TEMPERATURE														
	NOZZLES IN USE														
	NO. OF BURNERS IN USE	P 1	1	1	1	1	1								
	BURNER TIP SIZE	S 53/60	53/60	53/60	53/60	53/60	53/60								
	CO ₂ % PORT BOILER														
	CO ₂ % STBD. BOILER														
	OIL LEVEL MAIN SUMP	N	N	N	N	N	N								
	GENERATORS														
	WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS		
1200 TO 1600	1	1200	450	9	9	119	110		62	900	900	240			
	2	1200	450	7	7	130	118		72	950	950	240			
1600 TO 2000	1	1200	450		9	120	110		62	900	900	240			
	2	1200	450		7	132	120		72	900	900	240			
2000 TO 2400	1	1200	450		9	120	110		62	850	850	240			
	2	1200	450		7	130	118		72	850	850	240			
2400 TO 0400	1	1200	450		9	119	110		62	800	800	240			
	2	1200	450		7	132	120		72	800	800	240			

REMARKS

1200-1600 WATCH

#1 BOILER, F.D. FAN, F.O. and F.D. PUMPS, MN & AUX AIR EJECT'S.
 MN & AUX CIRC. PUMPS, MN CONDITE. & L.O. SERV. PUMPS, L.O. Purifier, AIR COMP.
 VACUUM ON MN. UNIT; JACKING GEAR Engaged;
 MAINTAINING PRES. ON #2 BOILER;

JOHNSON/POCKETT/JENKINS/

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Machinery as Before - Bilges @ Safe Level -

Ciler-Williams F.P.D. - Young Elect-Jenkins

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

as Before - Bilges @ Safe Level

Ciler-Williams F.P.D. - Young Elect-Jenkins

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

ROUTINE WATCH

O. LOR - DIERS FWT - BARBER

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

ROUTINE WATCH

MAINT. PRES ON PORT BOILER

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

Preparing Ship For Sea - Cut in #2 Boiler @ 0845 - Time check & Data Telegraph @ 0900 -
 S.B.G. @ 0942 #1 FOM-2277700 #2 FOM-5581370 - Rolling Main Unit With Steam
 Remainder of Watch - changed to Outboard Settler @ 1100 - Bilges @ Safe Level -

#1 FOM-2277880 #2 FOM-5581580

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

	PORT	STBD
PA	4.09	7.91
TA	7.91	10.51
CH	0.83	1.24
PO ⁴	15	15
SO ³	50	60
SH	39	84

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE						
POPE TAP 110		2-J		POSON		VIETNAM		P2 S2 R2		4-10/11-66						
		WATCH								WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME		88	240	240	240	240	240	MACH. PARTICULARS (CONT'D)				145	142	148	146	142
DETENTION TIME								TEMPERATURES (CONT'D)				145	145	148	147	146
REVOLUTION COUNTER (END OF WATCH)		7573 1360	53180	7577 5016	7579 6950	1850	7584 6370	AUX. COND. CONDENSATE		67	88	88	88	80	83	
TOTAL REVOLUTIONS (FOR WATCH)		7220	21820	21830	21940	21700	21720	1ST STAGE FEED WATER HEATER			148	150	149	142	145	
AVERAGE RPM		82.0	90.9	90.9	91.4	90.4	90.5	D. C. FEED WATER HEATER		241	240	241	240	240	242	
F.O. METER (END OF WATCH)		P 5382370 S 228530	83720	5585070 2280360	86420	87650	5588890 2284380	3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		1440	2560	2970	3170	3320	2350									
PRESSURES	THROTTLE	440	450	450	450	450	450	SUPER HEAT		P	740	735	735	730	735	735
	H.P. AHEAD	425	435	430	430	430	430			S	595	610	610	605	610	610
	L.P. AHEAD	9	18	19	19	12	12	F.O. TO BURNERS			140	140	140	140	140	140
	VACUUM	29	29	29"	29"	29	29"	AIR TO FURNACE		P	130	125	124	126	126	126
	L.O. TO TURBINES	13	13	13	13	13	13			S	130	125	124	126	126	126
	AUX. STEAM	150	150	150	150	150	150	F.O. TEMP. IN SETTLING TANKS		P	67	68	76	77	76	71
	BACK PRESSURE	9	9	9	9	9	9			S	68	72	76	67	70	70
	GLAND STEAM	1	1	1		1	1	PORT BOILER UPTAKE			320	320	320	320	320	280
	H.P. BLEEDER		68	70	70	72	70	STBD. BOILER UPTAKE			240	295	295	295	295	298
	I.P. BLEEDER				7	7	7	F. O. BACK PRESSURE								
L.P. BLEEDER	17	12	12	12		12	MAIN STEAM			450	450	450	450	450	450	
TEMPERATURES	STEAM AT THROTTLE	860	700	695	700	700	715	F.O. TO BURNERS			230	190	190	180	170	160
	L. P. EXHAUST	85	93	95	94	85	87	MAIN COND. SALINITY				0.41			0.41	
	CONDENSATE	67	88	88	88	80	83	ENGINE ROOM TEMPERATURE				86			88	
	CIRC. WATER IN	59	64	67	65	62	64	FIRE ROOM TEMPERATURE				86			88	
	CIRC. WATER OUT	68	74	77	75	70	71	NOZZLES IN USE				14	14	14	14	14
	L.O. TO COOLERS	119	127	126	124	124	126	NO. OF BURNERS IN USE		P	2	3	3	3	3	3
	L.O. FROM COOLERS	106	109	108	106	108	108			S	2	3	3	3	3	3
	TEMPERATURE THRUST BEARING		115	117	115	115	116	BURNER TIP SIZE		P	53/20	53/20	53/20	53/20	53/20	53/20
	FORWARD H.P. ROTOR BEARING		119	122	121	119	122			S	53/20	53/20	53/20	53/20	53/20	53/20
	AFT. H.P. ROTOR BEARING		130	135	134	132	135	CO2 % PORT BOILER								
FORWARD L.P. ROTOR BEARING		125	130	128	126	130	CO2 % STBD. BOILER									
AFT. L.P. ROTOR BEARING		126	131	128	126	129	OIL LEVEL MAIN SUMP			N	N	N	N	N	N	

WATCH	GENERATORS													FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	BOILER WATER	LUBE OIL	DIESEL OIL			
1200 TO 1600	1	1200	430		9	119	110		62	1000	1000	240	METER AT NOON	88840/84380	ON HAND AT START OF DAY				
													METER PREVIOUS NOON	51580/17880	EVAPORATED OR RECEIVED				
	2	1200	430		7	133	121		72	1000	1000	240	CONSUMED BY METER	13810	ON HAND				
													ON HAND AT START OF DAY		CONSUMED				
1600 TO 2000	1	1200	440		9	119	110		62	1200	1200	240	RECEIVED DURING DAY		ON HAND AT START OF DAY				
													EXPENDED DURING DAY	328	RECEIVED				
	2	1200	440		7	132	120		72	1200	1200	240	REMAINING ON BOARD		ON HAND				
													ON HAND AT START OF DAY	108.5	CONSUMED				
2000 TO 2400	1	1200	450		9	120	110		62	1000	1000	240	EVAPORATED OR RECEIVED		ON HAND	2000			
													ON HAND	892	RECEIVED				
	2	1200	450		7	135	123		72	1000	1000	240	CONSUMED	193	CONSUMED				
2400 TO 0400	1	1200	440		9	119	110		62	1050	1050	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)						
													L.O. CENTRIFUGE - HOURS OPERATED						
	2	1200	440		7	136	124		72	1050	1050	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
0400 TO 0800	1	1200	440		9	119	110		62	1200	1200	240	4	4	4	4	4	4	
													SUMMARY						
	2	1200	440		7	134	122		72	1200	1200	240	RUNNING TIME		PROPELLER SLIP (%)				
0800 TO 1200	1	1200	440		9	119	110		62	1150	1150	240	DETENTION TIME		BBL FUEL/MI				
													TOTAL REVOLUTIONS		WIND DIRECTION				
	2	1200	440		7	134	123		72	1150	1150	240	AVERAGE R.P.M.		STATE OF SEA				
													TOTAL MILES BY ENGINE		STATE OF WEATHER				
													TOTAL MILES BY OBSERVATION	374					

REMARKS

1200-1600 WATCH

UNDERWAY FULL THROTTLE - MACH 4 IN OPERATION - #1 & #2 BLKS & F.D. FANS - #1 & #2 D.C. GEN'S - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M.W. FD. PUMPS - #1 M.W. COND & AUX COND PUMPS - M.W. CIRC. PUMPS - AIR COMP. - AUX CIRC. PUMP - L.O. PURIFIER - L.O. SERVICE PUMP - F.W. PUMP - STBD STEERING MOTOR - M.W. & AUX AIR EJECTORS / DEPARTURE @ 1412 CTR- 75724140 FOM P- 2278160 - 5-5581960 BELLS AS PER BELL BOOK

WATCH ENGR'S SIGNATURE-

William N. Leggett

1600-2000 WATCH

UNDERWAY 14 NOZ B/O-B @ 1600
150 lb STM Supplying Both LP EVAP'S.
Routine Watch

WATCH ENGR'S SIGNATURE-

C. W. Frey

2000-2400 WATCH

Machinery as Before - changed to Inboard Settler @ 2320 - Pumped frg. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

SAME AS BEFORE
ROUTINE TESTS & INSPECTIONS

WATCH ENGR'S SIGNATURE-

William N. Leggett

0400-0800 WATCH

AS BEFORE

WATCH ENGR'S SIGNATURE-

C. W. Frey

0800-1200 WATCH

Machinery as Before, except; Blew Tank #1 & #2 Boilers 0800-0820 - changed & cleaned Fuel oil Hot Strainers & Burners - changed & cleaned Generator Lube oil Strainers - Test Ran #1 & #2 Life Boat Motors - changed to Outboard Settler @ 1115 - Pumped frg. Space Bilges -

CTR- 45840370 #1 FOM- 2284386 #2 FOM- 5588890 WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

U	PORT	STBD
PA	5.84	8.76
TA	8.76	12.25
CH	1.24	2.97
PO ⁴	30	30
SO ³	50	60
SH	63	108

CHIEF ENGR'S SIGNATURE-

M. Fox

REMARKS

1200-1600 WATCH

UNDERWAY 14 NOZZLES - MACH'Y IN OPERATION - #1 & #2 BLRS & F.D. FANS - #1 & #2 D.C. GENS -
 MN & AUX AIR EJECTORS - #1 & #2 MN. F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS & F.O. HTS - MN & AUX.
 CIRC. PUMPS - #1 MN. COND. PUMP - L.O. SERVICES PUMP - L.O. PURIFIER - AIR COMP - F.W. PUMP -
 STD STEERING MOTOR / CHANGED POT. WATER SUCTION TO #2 PS @ 1430 - ROUTINE WATCH -
 STBY @ 1515 ~~PORT~~ DRILL @ 1515 SECURED FROM DRILL @ 1532 LH @ 1531

HP & LP END DAY. 010

1600-2000 WATCH

OPERATIONS AS ABOVE

Blew Tubes P/S Boilers:

Routine Watch

WATCH ENGR'S SIGNATURE -

William W. Leggett

2000-2400 WATCH

As Before, Expt; Set Clock Back 20 minutes @ 2300 - changed to
 Inboard Settler @ 2325 - Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE -

C. W. Frey

2400-0400 WATCH

AS BEFORE EXCEPT CHANGED POT. WATER SUCTION TO 3S - SECURED AUX
 Circ. Pump - RETARDED CLOCK TWENTY MINUTES @ 0100.
 COMPLIED WITH NITE ORDERS

WATCH ENGR'S SIGNATURE -

M. Fox

0400-0800 WATCH

REMARKS AS ABOVE

RETARDED CLOCKS 20 MIN. @ 0500:

COMPLIED W/DEPT ORDERS

WATCH ENGR'S SIGNATURE -

William W. Leggett

0800-1200 WATCH

Machinery as Before, Expt; Permission to Blow Inlet Hot Oil from By Bridge
 until 0830 - Blew Lane, #1 & #2 Boilers 0830-0845 - changed & cleaned Fuel oil
 Hot Strainers & Burners - changed to Outboard Settler @ 1125 - Pumped Eng.
 Space Bilges -

WATCH ENGR'S SIGNATURE -

C. W. Frey

CTR-75975200 #1 FOM-2291380 #2 FOM-5596290

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

L2	PORT	STBD
PA	8.18	9.93
TA	10.51	12.85
CH	2.07	2.07
PO ⁴	15	15
SO ³	50	55
SH	87	132

CHIEF ENGR'S SIGNATURE -

M. Fox

USNS			VOYAGE NO.			FROM			TO			TYPE OF VESSEL			DATE		
GEN. POPE TAPUO			2-J			POSON			PNI NAHN			P2S2R2			4-12/13-66		
WATCH								WATCH									
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME																	
DETENTION TIME																	
REVOLUTION COUNTER (END OF WATCH)																	
TOTAL REVOLUTIONS (FOR WATCH)																	
AVERAGE RPM																	
F.O. METER (END OF WATCH)																	
F.O. CONSUMED																	
MACHINERY PARTICULARS		PRESSURES		THROTTLE		450		450		450		450		440		450	
				H.P. AHEAD		430		430		390		385		350			
				L.P. AHEAD		18		19.5		8		7		7		5	
				VACUUM		28"		28.5"		28.5"		28.5"		28.5"		28.5"	
				L.O. TO TURBINES		13		13		13		13		13		13	
				AUX. STEAM		150		150		150		150		150		150	
				BACK PRESSURE		9		9		9		9		9		9	
				GLAND STEAM				1		1		1		1			
				H.P. BLEEDER		70		70		70		70		70		62	
				I.P. BLEEDER		7		7		-		-					
L.P. BLEEDER		12		12		16"		17		18		18"					
TEMPERATURES		STEAM AT THROTTLE		200		700		700		690		700		680			
		L. P. EXHAUST		107		108		102		100		101		100			
		CONDENSATE		108		105		102		101		102		102			
		CIRC. WATER IN		83		84		84		84		84		84			
		CIRC. WATER OUT		93		94		90		89		90		89			
		L.O. TO COOLERS		124		124		121		121		122		119			
		L.O. FROM COOLERS		109		109		108		108		108		107			
		TEMPERATURE THRUST BEARING		115		115		113		114		114		113			
		FORWARD H.P. ROTOR BEARING		125		122		124		124		122		121			
		AFT. H.P. ROTOR BEARING		135		134		131		132		130		130			
MISCELLANEOUS		FORWARD L.P. ROTOR BEARING		131		128		125		126		124		125			
		AFT. L.P. ROTOR BEARING		128		126		124		125		124		124			
		HOTTEST GEAR BEARING FORWARD		151		148		136		138		738		136			
		HOTTEST GEAR BEARING AFT		148		145		136		141		140		136			
		AUX. COND. CONDENSATE		108		105		102		101		102		102			
		1ST STAGE FEED WATER HEATER		158		150		150		149		148		146			
		D. C. FEED WATER HEATER		239		240		241		244		240		241			
		3RD STAGE FEED WATER HEATER															
		SUPER HEAT		P 750		740		740		735		720		720			
		S 630		615		615		610		615		615		615			
F.O. TO BURNERS		140		140		140		140		140		140					
AIR TO FURNACE		P 142		138		137		138		136		138					
S 142		138		137		138		136		138		138					
F.O. TEMP. IN SETTLING TANKS		P 80		80		82		86		86		89					
S 77		78		80		80		82		86		86					
PORT BOILER UPTAKE		295		290		285		285		295		275					
STBD. BOILER UPTAKE		270		275		275		270		280		260					
F. O. BACK PRESSURE																	
MAIN STEAM		450		450		450		450		450		450					
F.O. TO BURNERS		160		190		120		110		110		190					
MAIN COND. SALINITY				0.41				0.41									
ENGINE ROOM TEMPERATURE						104						104					
FIRE ROOM TEMPERATURE						104						104					
NOZZLES IN USE		14		14		10		THROT.		T		10					
NO. OF BURNERS IN USE		P 3		3		3		3		3		2					
S 3		3		3		3		3		3		2					
BURNER TIP SIZE		P 53/70		5370		5370		53/70		5370		5370					
S 53/70		5370		5370		5370		53/70		5370		5370					
CO ₂ % PORT BOILER																	
CO ₂ % STBD. BOILER																	
OIL LEVEL MAIN SUMP		N		N		N		N		N		N					

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	WATER	LUBE OIL	DIESEL OIL		
1200 TO 1600	1	1200	440		9	121	111		62	1300	1300	240	METER AT NOON	2770/7700	ON HAND AT START OF DAY			
	2	1200	440		7	146	134		70	1300	1300	240	METER PREVIOUS NOON	2290/10380	EVAPORATED OR RECEIVED			
1600 TO 2000	1	1200	440		9	121	111		62	1350	1350	240	CONSUMED BY METER	13800	ON HAND			
	2	1200	440		7	146	134		70	1350	1350	240	ON HAND AT START OF DAY	16858	CONSUMED			
2000 TO 2400	1	1400	440		9	122	112		62	1300	1300	240	RECEIVED DURING DAY		ON HAND AT START OF DAY			
	2	1400	440		7	148	134		70	1300	1300	240	EXPENDED DURING DAY	328/	RECEIVED			
2400 TO 0400	1	1200	440		9	122	112		62	1300	1300	240	REMAINING ON BOARD		ON HAND			
	2	1200	440		7	147	134		70	1300	1300	240	ON HAND AT START OF DAY	709	CONSUMED			
0400 TO 0800	1	1200	440		9	122	112		62	1300	1300	240	EVAPORATED OR RECEIVED	216	ON HAND	2000		
	2	1200	440		7	147	134		70	1300	1300	240	ON HAND	638	RECEIVED			
0800 TO 1200	1	1200	440		9	123	114		62	1400	1400	240	CONSUMED	287	CONSUMED			
	2	1200	440		7	148	134		70	1400	1400	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
L.O. CENTRIFUGE - HOURS OPERATED																		
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200											
		4	4	4	4		4											
SUMMARY																		
		RUNNING TIME	84 HRS				PROPELLER SLIP (%)											
		DETENTION TIME					BBL FUEL/MI											
		TOTAL REVOLUTIONS	116730				WIND DIRECTION											
		AVERAGE R.P.M.	81.6				STATE OF SEA											
		TOTAL MILES BY ENGINE	432				STATE OF WEATHER											
		TOTAL MILES BY OBSERVATION																

REMARKS

1200-1600 WATCH

UNDERWAY 14 Nozz. MACH IN OPERATION - #1 & #2 BRS & F.D. FANS - #1 & #2 D.C. SEUS -
 #1 & #2 M/FD Pumps - #1 & #2 F.O. SERVICE PUMP - #1 M/V COND PUMP - M/V CIRC PUMP - AIR COMP -
 L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - STBD STEERING MOTOR / LIT OFF A-C UNIT
 @ 1400 - F.D. PUMP CASUALTY @ 1450 STBY @ 1451 44 @ 1511 -

HPS & LP END FLY-010

1600-2000 WATCH

AS ABOVE

BLEN TUBES P/S BOILERS
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William H. Leggett

2000-2400 WATCH

Machinery as Before, except; Reduced Speed to 78 R.P.M. @ 2000 B/S -
 changed to Inboard Settler @ 2320 - Pumped 2 P/S & 4 P & Eng. Spun Bilge

WATCH ENGR'S SIGNATURE-

C. W. Fry

2400-0400 WATCH

SAME AS BEFORE

COMPLIED WITH NITE ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

M. Fox

0400-0800 WATCH

AS ABOVE

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William H. Leggett

0800-1200 WATCH

Machinery as Before, except; Reduced Speed to 74 R.P.M. @ 0800
 B/S - Blew Tank #1 & #2 Boilers 0800-0820 - changed & cleaned Fuel oil 75T
 Burners & Strainers - changed to Outboard Settler @ 1120 - Pumped Eng.
 Spun Bilge -

WATCH ENGR'S SIGNATURE-

C. W. Fry

CTR-46091930 #1 FOH-2297700 #2 FOH-5602770

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

13	PORT	STBD
PA	818	9.93
TA	1110	13.14
CH	207	2.07
BOY	20	25
SO ³	60	70
SH	111	156

CHIEF ENGR'S SIGNATURE-

M. Fox